

RGA400 Series

4Q SCR Chassis Adjustable Speed Drive for PMDC or Field Wound Brushed Motors

The RGA440 Series of 4Q drives is well suited for applications that require the control of overhauling loads, frequent reversing or breaking. Installation has been made simple with cage-clamp terminals for power and logic and with on-board fusing. The RGA440 Series is very versatile and can be used in a wide range of environments. With the available field supply for shunt-wound motors, full assortment of adjustments that are standard on all our 4Q drives, and optional factory installed isolation module, the RGA440 Series is a flexible and well equipped member of our 4Q family of drives.



Model Number	Enclosure	Maximum Current (ADC)	Input Voltage (VAC)	Output Voltage (VDC)	Power Range		Field/Shunt Supply	Reversing	Isolation
					HP	kW			
RGA400-3	Chassis	3	115	0 - 90	1/20 - 1/4	.04 - .20	50/100	Regenerative	No
			230	0 - 90	1/20 - 1/4	.04 - .20	100/200		
				0 - 180	1/10 - 1/2	.08 - .40			
RGA400-10	Chassis	10*	115	0 - 90	1/8 - 1	.10 - .75	50/100	Regenerative	No
			230	0 - 90	1/8 - 1	.10 - .75	100/200		
				0 - 180	1/4 - 2	.20 - 1.5			

*Heat sink kit HSK-0004 must be used when the continuous output current is above 7 amps.

SPECIFICATIONS

AC Line Voltage..... 115 / 230 VAC, $\pm 10\%$, 50/60 Hz, 1 $\emptyset$
 Maximum Field Current 1 amp
 Accel / Decl Time Range..... 0.5 - 15 seconds
 Form Factor 1.37 at base speed
 Speed Range
 - Armature Feedback..... 50:1
 - Tach Feedback 60:1
 Load Regulation
 - Armature Feedback..... 1% of base speed or better
 - Tach Feedback 0.1% of base speed or better
 Input Impedance 32K Ω
 Isolated Analog Signal Range..... 0 $\pm$ 10 VDC
 Ambient Temperature Range..... 10°C - 55°C

TRIM POTS

Deadband	Minimum Speed
Forward Acceleration	Reverse Acceleration
Forward Current Limit	Reverse Current Limit
IR Compensation	Tach
Maximum Speed	

FEATURES

Stopping Modes: Inhibit (N.O.) for braking to a stop. Enable for coasting to a stop. Can be used for rapid starting and stopping
On-board Fusing: Drives include on-board fusing
4Q Reversing: Regenerative / 4-Quadrant drives have the ability to perform quick and contactorless braking and/or reversing-on-the-fly
Tach Feedback: Accepts tachogenerator feedback for tighter speed regulation

ACCESSORIES

HSK-0004: Heat sink kit
IS0401-1: Isolated adder board to convert RGA400 into RGA403
KTP-0001: Potentiometer kit
KTW-0001: Inhibit plug with 18" leads

